

METHOD AND SYSTEM FOR GENERATING FACIAL ANIMATION VALUES BASED
ON A COMBINATION OF VISUAL AND AUDIO INFORMATION

ABSTRACT

5 Facial animation values are generated using a sequence of facial image frames and
synchronously captured audio data of a speaking actor. In the technique, a plurality of visual-
facial-animation values are provided based on tracking of facial features in the sequence of facial
image frames of the speaking actor, and a plurality of audio-facial-animation values are provided
based on visemes detected using the synchronously captured audio voice data of the speaking
actor. The plurality of visual facial animation values and the plurality of audio facial animation
values are combined to generate output facial animation values for use in facial animation.